Supp. Response Amdt B
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PATENT APPLICATION
Do. No. 1482-129

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Barrie Gilbert

Serial No.: 09/675,902 Examiner: Tung X. Nguyen

Filed: September 28, 2000 Group Art Unit: 2829

For: GAIN AND PHASE DETECTOR HAVING DUAL LOGARITHMIC AMPLIFIERS

Date: August 7, 2002

Box Non-Fee Amendment
Commissioner of Patents and Trademarks
Washington, DC 20231

SUPPLEMENTAL RESPONSE TO OFFICE ACTION

Responsive to the Office Action dated March 5, 2002 and supplementing the Response to Office Action filed August 5, 2002, applicant submits the following.

In The Specification

Replace the paragraph beginning at page 3, line 3 and ending at page 3, line 9 with the following paragraph:

B1

"Log amp 10 will be referred to as part of channel A, which receives the input signal V_A and generates the logarithmic output signal V_{OUT_A}. Likewise, log amp 12 will be referred to as part of channel B, which receives the input signal V_B and generates the logarithmic output signal V_{OUT_B}. For purposes of illustration, the signals utilized in Fig. 4 are shown as single-sided voltages, but the present invention can be realized with differential voltage signals, differential or single-sided current mode signals, or any convenient combination thereof. The logarithmic output signals V_{OUT_A} and V_{OUT_B} are given by the following equations:"